

# CONCERT77

## TECHNICAL SPECIFICATIONS

### Receiver (CR77)

Type of Reception:	Single Superheterodyne, True Diversity
Oscillation Type:	Synthesized PLL Frequency Control
D-emphasis:	50 µsec
IF Frequency:	10.7 MHz
Antenna:	1/4 Wavelength Rod
In/Out:	DC Inlet, Balanced Output, Unbalanced Output
Display (LED):	Antenna A/B (Green), Power On (Red), Peak (Yellow), RF Level (5 pc)
Level Controls:	Volume, Squelch
Operating Voltage:	12 Volts + 10 %
Current Consumption:	160 mA (at all LED lights)
Receiving Frequency Range:	801 – 805 MHz
Sensitivity:	18 dBµ @ THD 2%
Squelch Sensitivity:	0 – 40 dBµ (Adjustable)
Selectivity:	± 150 kHz (AF Out Ratio -60 dB)
S/N Ratio (Overall):	90 dB (w/ IHF-A filter)
Residual Noise:	90 dBv (w/ IHF-A filter)
Band Mute:	± 50 kHz / ± 100 kHz (RF IN: 46 dBu EMF)
AF Frequency Response:	50 Hz – 15 kHz (± 3 dB overall)
Audio Output Level - Unbalanced:	0 dBv
Audio Output Level - Balanced:	-20 dBm (Line), -40 dBm (Mic) Switch Selectable
Audio Output Impedance/Unbalanced:	5 k Ohms
Audio Output Impedance/Balanced:	600 Ohms

### Dimensions:

Receiver (CR77):	8.5" (w) x 1.75" (h) x 4.6" (d) 216 mm (w) x 44 mm (h) x 116 mm (d)
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### Weight:

Receiver (CR77):	.75 lb / 340 g
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### SAMSON TECHNOLOGIES CORPORATION

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### Transmitters (CT7, HT7)

Oscillation Type:	Synthesized PLL Frequency Control
Pre-emphasis:	50 µsec
<b>Antenna</b>	
HT7:	1/4 Wave Integral Antenna
CT7:	1/4 Wave Length Wire (permanently attached)
Input (CT7):	TB3M QG (Mini XLR) Connector
Maximum Input Level:	3 V p-p
Battery:	Duracell MN 1604 9-volt alkaline
Switches/Controls:	Power On/Off, Audio On/Off
CT7:	AF Level
HT7:	AF Level
Display (LED):	Battery Low/Mid/High (<5.3V/5.3-7V/7V)
Operating Voltage:	9 Volts +20%/-40%
Current Consumption:	47 mA
RF Power:	10 mW
Frequency Stability:	+ 20 kHz
Spurious Ratio:	2.5 nW
Deviation:	20 kHz (16.5 kHz-23.5 kHz)
T.H.D. (Typical):	0.5%
AF Frequency Response:	50 Hz – 15 kHz (± 3 dB overall)
Battery Life:	12 Hours



**SAMSON**  
WIRELESS

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**NO CABLES.  
NO DROPOUTS.  
NO EXORBITANT PRICES.  
NO LIMITS.**

CONCERT77

**SAMSON**  
WIRELESS

Samson Technologies was founded 20 years ago when we introduced some of the first affordable wireless technology ever. The latest line of wireless gear in that tradition: **Concert 77. UHF quality diversity wireless that anyone can afford.**

**SAMSON**  
W I R E L E S S



#### HEADSET SYSTEMS

Concert 77 is the perfect affordable wireless system for fitness instructors, public speakers, anyone who needs a hands-free microphone. Available with these Samson headsets:

- HS5 an ultra-light, all-purpose headset
- Qe Exercise features a corrosion-resistant element
- Qv Vocal headsets for performance



#### HANDHELD SYSTEM

This HT7 hand-held transmitter is available with two of Samson's finest microphone

elements: the Q7 Dynamic, for all-purpose professional use; and the C05 Condenser for singers looking for warm, rich vocal performance.



#### WIND INSTRUMENT SYSTEMS

Clip on condenser mics for any brass or woodwind instrument. Available with these mic elements:

- HM40 (pictured) rugged horn mic with flexible neck and condenser that handles high SPLs.
- AMT ROAM 1 is used by the biggest names in jazz. A stellar performer, the Samson/AMT system provides recording studio quality audio.



#### LAVALIER SYSTEMS

Samson offers an array of lavalier mic options for presentations. There's a mic just for you.

- LM5 rugged and affordable lavalier
- QL1 Omnidirectional mic
- QL5 Professional level unidirectional mic



#### GUITAR SYSTEM

For guitarists who want to go crazy on stage. With the GC32 guitar cable and a Concert 77 Receiver, you'll never go back to cables.



#### CT7 BELT-PACK TRANSMITTER

For use with all other Concert 77 Systems. This compact and simple-to-use belt-pack has on/off and level control.



#### CR77 WIRELESS RECEIVER

This true-diversity half-rack unit with PLL frequency control works with all Concert 77 wireless systems. Rugged, durable and crystal clear with incredible range. UHF (Ultra High Frequency) means clearer frequencies with less interference. Diversity reception means no dropouts. Concert 77 represents sophisticated wireless technology at great prices.

**CONCERT 77**